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SAPC 8772

Copy No. 1 of 5

22 August 1956

MEMORANDUM FOR: []

25X1

SUBJECT : Comments on GMCC Doc. No. 151X5.208, dated 8 August 1956

1. The philosophy now being used in our work with Ramo-Wooldridge is to give them all the rope they want. The philosophy of the System was set up some time ago and only details are being discussed now. My position is to keep them informed on (a) our desires and (b) the state of the art.

2. Comments point by point:

a. Paragraph 1:

The low clearance between hatch and ground may be legitimate cause for varying the mounting plans of System Four, but not necessarily so. Weight and stresses on the hatch cover are another factor that may prohibit mounting all units on the hatch cover. The request is made in an attempt to avoid a long installation and check out time in the vehicle. This point has been discussed previously with R-W as a design objective realizing that it may not be possible to meet it.

b. Paragraph 3:

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25X1 [] Ramo-Wooldridge has been furnished the detailed report of [] showing how [] obtained these results. Should they fail to obtain them, I shall suggest an [] consultant.

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c. Paragraph 5:

25X1 Our requirement on antennas was fixed concurrently with the sweep search principle. The antenna requirements were determined by the receiver philosophy. [] men have tried repeatedly to alter my design objective on antennas. In late July, I finally described to them individually and in detail why I had insisted on my set of objectives. Seeing the reason for them, the men are now satisfied and I believe we will get them. The hatch cover limitation for antenna placement makes antenna design difficult but was not sufficient cause for the engineers to change the antennas repeatedly. They were not convinced that the design objective was a good one and perhaps more important, [] has a very poor background in antenna design.

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d. Paragraph 6:

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They have taken full control on the [] question. Consultant [] is trying to influence them a little, but I have dropped the point.

e. Paragraph 7:

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Concur. [] would like to try to produce a raster scan recorder. It would be much superior to any photographic recorder now in existence.

f. Paragraph 8 - See Paragraph 1 above.

g. Paragraph 9:

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We [] will continue to try to influence this one. They feel that a single sample of each signal is sufficient. I feel that many samples are highly desirable with these samples being in succession. This point has been discussed repeatedly at previous meetings with the same difference in point of view at each discussion. It is not a prime point, however, and R-W will be allowed to control if it they insist.

[]
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